COMPLETE THE STN SURVEY - APRIL 27 THROUGH MAY 31

Dear valued STN customer,

In an effort to enhance your experience with STN, we would like to better understand what you find useful. Please take approximately 5 minutes to complete a web survey.

If you provide us with your name, login ID, and e-mail address, you will be entered in a drawing to win a free iPod(R). Your responses will be kept confidential and will help us make future improvements to STN.

Take survey: http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW

Thank you in advance for your participation.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:58:49 ON 14 MAY 2006

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:59:00 ON 14 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 MAY 2006 HIGHEST RN 884047-29-4
DICTIONARY FILE UPDATES: 12 MAY 2006 HIGHEST RN 884047-29-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *

* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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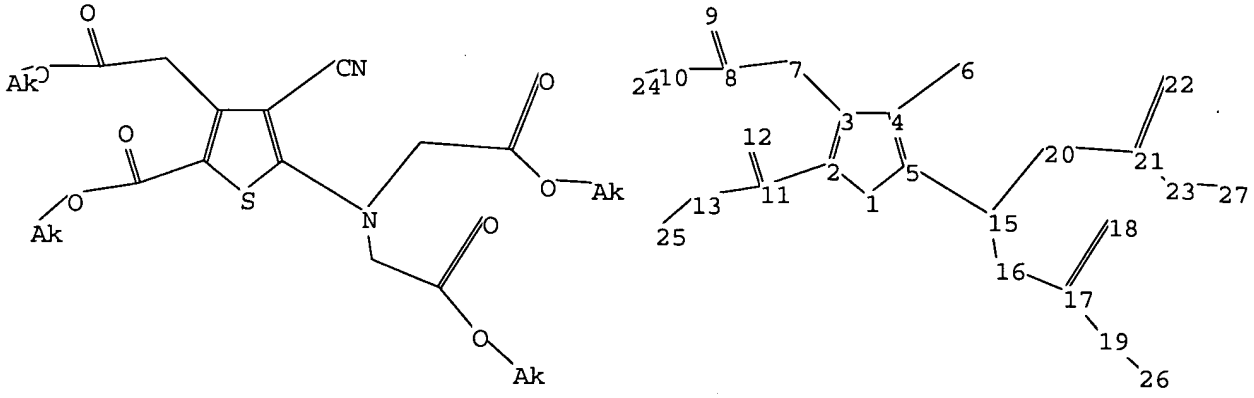
Uploading C:\Program Files\Stnexp\Queries\10669301a.str



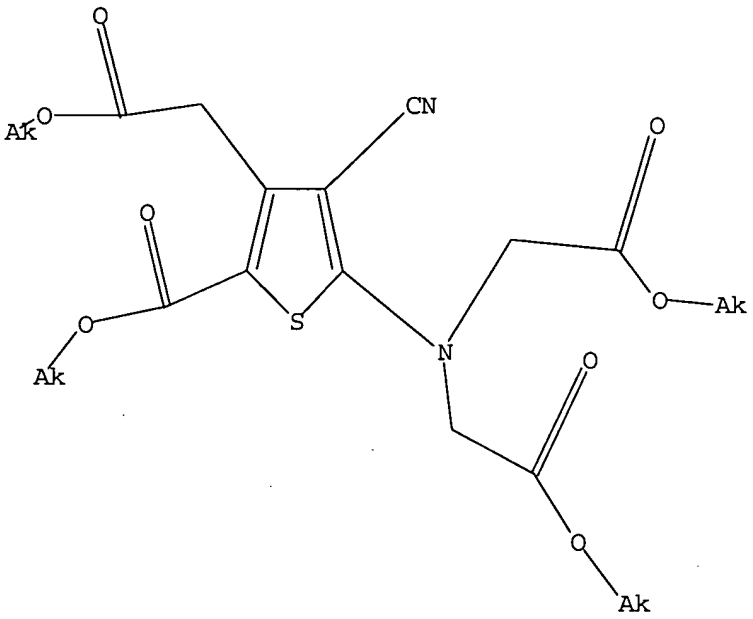
chain nodes :
6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26 27
ring nodes :
1 2 3 4 5
chain bonds :
2-11 3-7 4-6 5-15 7-8 8-9 8-10 10-24 11-12 11-13 13-25 15-16 15-20 16-17 17-18 17-19 19-26 20-21 21-22 21-23 23-27
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
5-15 8-9 8-10 10-24 11-12 11-13 13-25 15-16 15-20 17-18 17-19 19-26 21-22 21-23 23-27
exact bonds :
1-2 1-5 2-3 2-11 3-4 3-7 4-5 4-6 7-8 16-17 20-21
isolated ring systems :
containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 09:59:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:59:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 55 TO ITERATE

100.0% PROCESSED 55 ITERATIONS 3 ANSWERS

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SEARCH TIME: 00.00.01

L3            3 SEA SSS FUL L1

=> s l3 and strontium hydroxide
         67645 STRONTIUM
         37379 HYDROXIDE
            85 HYDROXIDES
         37379 HYDROXIDE
                 (HYDROXIDE OR HYDROXIDES)
           331 STRONTIUM HYDROXIDE
                 (STRONTIUM(W)HYDROXIDE)
L4             0 L3 AND STRONTIUM HYDROXIDE

=> FIL HCAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   176.90     177.11

FILE 'HCAPLUS' ENTERED AT 10:00:06 ON 14 MAY 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 14 May 2006  VOL 144 ISS 21
FILE LAST UPDATED: 12 May 2006  (20060512/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d his

     (FILE 'HOME' ENTERED AT 09:58:49 ON 14 MAY 2006)

     FILE 'REGISTRY' ENTERED AT 09:59:00 ON 14 MAY 2006
L1               STRUCTURE UPLOADED
L2             0 S L1
L3             3 S L1 SSS FULL
L4             0 S L3 AND STRONTIUM HYDROXIDE

     FILE 'HCAPLUS' ENTERED AT 10:00:06 ON 14 MAY 2006

=> s l3
L5             4 L3

=> s l5 and strontium hydroxide
```

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        184117 STRONTIUM
             4 STRONTIUMS
        184118 STRONTIUM
                 (STRONTIUM OR STRONTIUMS)
        274546 HYDROXIDE
         45454 HYDROXIDES
        296569 HYDROXIDE
                 (HYDROXIDE OR HYDROXIDES)
          1296 STRONTIUM HYDROXIDE
                 (STRONTIUM(W)HYDROXIDE)
L6           1 L5 AND STRONTIUM HYDROXIDE

=> d l6 ibib abs hitstr tot
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L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:249307 HCAPLUS
DOCUMENT NUMBER: 140:272696
TITLE: New process for industrial synthesis of strontium ranelate and its hydrates
INVENTOR(S): Vaysse, Ludot Lucile; Lecouve, Jean Pierre; Langlois, Pascal
PATENT ASSIGNEE(S): Les Laboratoires Servier, Fr.
SOURCE: Fr. Demande, 22 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2844795	A1	20040326	FR 2002-11763	20020924
FR 2844795	B1	20041022		
EP 1403266	A1	20040331	EP 2003-292319	20030922
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
AU 2003248281	A1	20040408	AU 2003-248281	20030922
WO 2004029036	A1	20040408	WO 2003-FR2777	20030922
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003282179	A1	20040419	AU 2003-282179	20030922
JP 2004149516	A2	20040527	JP 2003-330440	20030922
CA 2442878	AA	20040324	CA 2003-2442878	20030923
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ZA 2003007409	A	20040707	ZA 2003-7409	20030923
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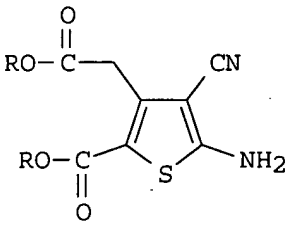
BR 2003004213	A	20040831	BR 2003-4213	20030923
US 2004063972	A1	20040401	US 2003-669301	20030924
CN 1496986	A	20040519	CN 2003-134813	20030924
SG 110071	A1	20050428	SG 2003-5555	20030924
HK 1065791	A1	20051014	HK 2004-108552	20041101

PRIORITY APPLN. INFO.: FR 2002-11763 A 20020924
WO 2003-FR2777 W 20030922

OTHER SOURCE(S): MARPAT 140:272696

GI



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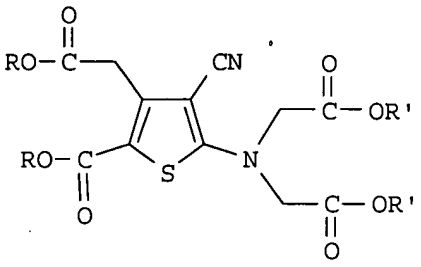


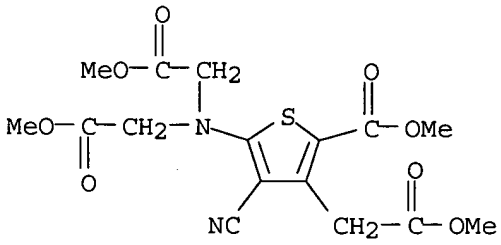
II

AB An industrial process for the synthesis of strontium ranelate and its hydrates consists of: reaction of RO2CCH2COCH2CO2R (R = linear or branched C1-6 alkyl) with malononitrile (NCCH2CN) in MeOH in presence of morpholine (>0.95 mol per mol diester) to give the morpholinium salt of ROCOCH2C[:C(CN)2]CH:C(OR)O-, followed by refluxing with sulfur to give thiophene derivative I (same R). Reaction of the latter (as diacid) with BrCH2CO2R' (R' = e.g., Me or Et) in the presence of a catalytic quantity of C8-10 quaternary ammonium salt and K2CO3 in an organic solvent at reflux affords tetracarboxylate II, which reacts with Sr(OH)2 at reflux in water for ≥ 5 h to give strontium ranelate and its hydrates. Thus, the octahydrate of strontium ranelate was prepared by this method (96% yield and 98% purity in final step).

IT **674773-13-8P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(for industrial preparation of strontium ranelate and its hydrates)

RN 674773-13-8 HCAPLUS

CN 3-Thiopheneacetic acid, 5-[bis(2-methoxy-2-oxoethyl)amino]-4-cyano-2-(methoxycarbonyl)-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:252227 HCAPLUS
DOCUMENT NUMBER: 140:270729

TITLE: Process for the industrial synthesis of tetraesters of 5-[bis(carboxymethyl)amino]-3-carboxymethyl-4-cyano-2-thiophenecarboxylic acid and their application to the synthesis of bivalent salts of ranelic acid and their hydrates

INVENTOR(S): Vaysse-Ludot, Lucile; Lecouve, Jean-pierre; Langlois, Pascal

PATENT ASSIGNEE(S): Fr.

SOURCE: U.S. Pat. Appl. Publ., 4 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004059134	A1	20040325	US 2003-669302	20030924
FR 2844797	A1	20040326	FR 2002-11765	20020924
FR 2844797	B1	20041022		
EP 1403265	A1	20040331	EP 2003-292318	20030922
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
AU 2003248280	A1	20040408	AU 2003-248280	20030922
WO 2004029034	A1	20040408	WO 2003-FR2775	20030922
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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JP 2004269496	A2	20040930	JP 2003-330439	20030922
CA 2442881	AA	20040324	CA 2003-2442881	20030923
NO 2003004236	A	20040325	NO 2003-4236	20030923
NZ 528401	A	20040528	NZ 2003-528401	20030923
ZA 2003007411	A	20040707	ZA 2003-7411	20030923
BR 2003004203	A	20040824	BR 2003-4203	20030923
CN 1500784	A	20040602	CN 2003-134812	20030924
SG 110069	A1	20050428	SG 2003-5553	20030924

PRIORITY APPLN. INFO.: FR 2002-11765 A 20020924
WO 2003-FR2775 W 20030922

OTHER SOURCE(S): CASREACT 140:270729; MARPAT 140:270729
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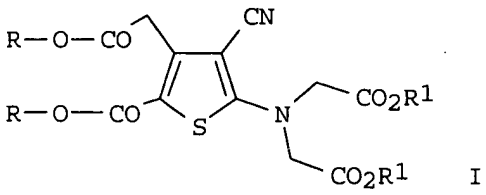

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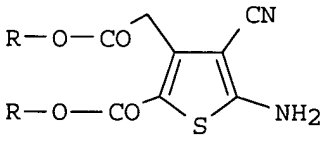


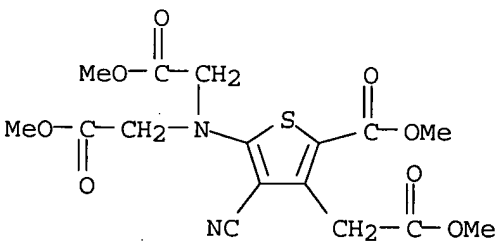
II

AB Tetraesters of 5-[bis(carboxymethyl)amino]-3-carboxymethyl-4-cyano-2-thiophenecarboxylic acid [I; R, R1 = (un)branched C1-6 alkyl] are prepared in high yield and selectivity by the alkylation of the corresponding 5-amino compound (II) with an alkyl bromoacetate ester BrCH2CO2R1 in the presence of a catalytic amount of a quaternary ammonium compound, potassium carbonate acid scavenger at reflux in an organic solvent, the reaction mixture is then concentrated by distillation, an a nonsolvent added to cause precipitation of the product with cooling. The synthesis of bivalent salts of ranelic acid, and especially strontium ranelate and its hydrates, is claimed.

IT **674773-13-8P 674800-87-4P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(process for the industrial synthesis of tetraesters of 5-[bis(carboxymethyl)amino]-3-carboxymethyl-4-cyano-2-thiophenecarboxylic acid and their application to the synthesis of bivalent salts of ranelic acid and their hydrates)

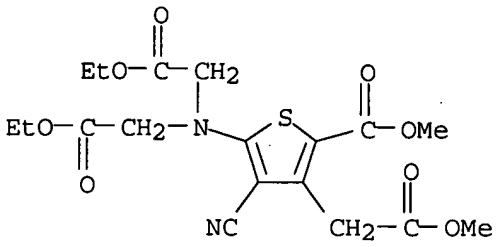
RN 674773-13-8 HCAPLUS

CN 3-Thiopheneacetic acid, 5-[bis(2-methoxy-2-oxoethyl)amino]-4-cyano-2-(methoxycarbonyl)-, methyl ester (9CI) (CA INDEX NAME)



RN 674800-87-4 HCAPLUS

CN 3-Thiopheneacetic acid, 5-[bis(2-ethoxy-2-oxoethyl)amino]-4-cyano-2-(methoxycarbonyl)-, methyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:249307 HCAPLUS
DOCUMENT NUMBER: 140:272696
TITLE: New process for industrial synthesis of strontium ranelate and its hydrates
INVENTOR(S): Vaysse, Ludot Lucile; Lecouve, Jean Pierre; Langlois, Pascal
PATENT ASSIGNEE(S): Les Laboratoires Servier, Fr.
SOURCE: Fr. Demande, 22 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2844795	A1	20040326	FR 2002-11763	20020924
FR 2844795	B1	20041022		
EP 1403266	A1	20040331	EP 2003-292319	20030922
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
AU 2003248281	A1	20040408	AU 2003-248281	20030922
WO 2004029036	A1	20040408	WO 2003-FR2777	20030922
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003282179	A1	20040419	AU 2003-282179	20030922
JP 2004149516	A2	20040527	JP 2003-330440	20030922
CA 2442878	AA	20040324	CA 2003-2442878	20030923
NO 2003004235	A	20040325	NO 2003-4235	20030923
ZA 2003007409	A	20040707	ZA 2003-7409	20030923
NZ 528402	A	20040730	NZ 2003-528402	20030923
BR 2003004213	A	20040831	BR 2003-4213	20030923
US 2004063972	A1	20040401	US 2003-669301	20030924
CN 1496986	A	20040519	CN 2003-134813	20030924

SG 110071	A1	20050428	SG 2003-5555		20030924
HK 1065791	A1	20051014	HK 2004-108552		20041101
PRIORITY APPLN. INFO.:			FR 2002-11763	A	20020924
			WO 2003-FR2777	W	20030922

OTHER SOURCE(S): MARPAT 140:272696
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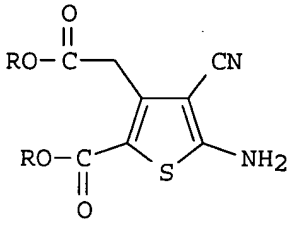

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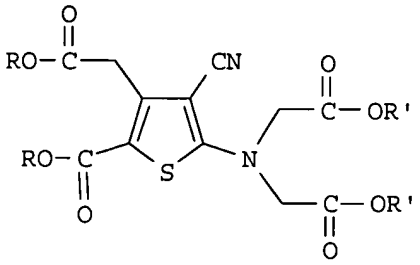


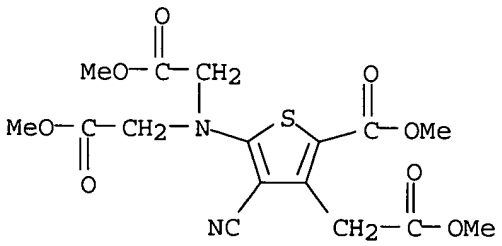
II

AB An industrial process for the synthesis of strontium ranelate and its hydrates consists of: reaction of RO2CCH2COCH2CO2R (R = linear or branched C1-6 alkyl) with malononitrile (NCCH2CN) in MeOH in presence of morpholine (>0.95 mol per mol diester) to give the morpholinium salt of ROCOCH2C[:C(CN)2]CH:C(OR)O-, followed by refluxing with sulfur to give thiophene derivative I (same R). Reaction of the latter (as diacid) with BrCH2CO2R' (R' = e.g., Me or Et) in the presence of a catalytic quantity of C8-10 quaternary ammonium salt and K2CO3 in an organic solvent at reflux affords tetracarboxylate II, which reacts with Sr(OH)2 at reflux in water for ≥ 5 h to give strontium ranelate and its hydrates. Thus, the octahydrate of strontium ranelate was prepared by this method (96% yield and 98% purity in final step).

IT **674773-13-8P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(for industrial preparation of strontium ranelate and its hydrates)

RN 674773-13-8 HCAPLUS

CN 3-Thiopheneacetic acid, 5-[bis(2-methoxy-2-oxoethyl)amino]-4-cyano-2-(methoxycarbonyl)-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:492057 HCAPLUS
DOCUMENT NUMBER: 115:92057
TITLE: Preparation of bivalent metal salts of

[bis(carboxymethyl)amino]thiophene derivative for the treatment of osteoporosis and liver disease

INVENTOR(S): Wierzbicki, Michel; Bonnet, Jacqueline; Brisset, Martine; Tsouderos, Yannis

PATENT ASSIGNEE(S): ADIR et Cie., Fr.

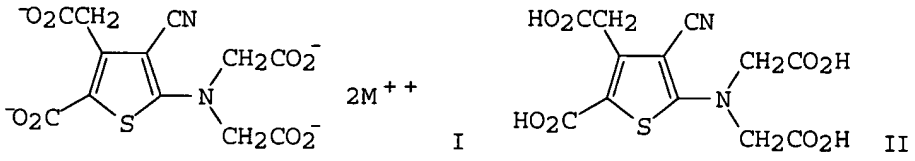
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 415850	A1	19910306	EP 1990-402401	19900831
EP 415850	B1	19940112		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2651497	A1	19910308	FR 1989-11475	19890901
FR 2651497	B1	19911025		
ZA 9006716	A	19910626	ZA 1990-6716	19900823
CA 2024419	AA	19910302	CA 1990-2024419	19900831
CA 2024419	C	19990720		
AU 9062033	A1	19910307	AU 1990-62033	19900831
AU 624022	B2	19920528		
JP 03169876	A2	19910723	JP 1990-232271	19900831
JP 06092386	B4	19941116		
US 5128367	A	19920707	US 1990-576225	19900831
AT 100093	E	19940115	AT 1990-402401	19900831
ES 2062450	T3	19941216	ES 1990-402401	19900831

PRIORITY APPLN. INFO.: FR 1989-11475 A 19890901
EP 1990-402401 A 19900831

GI



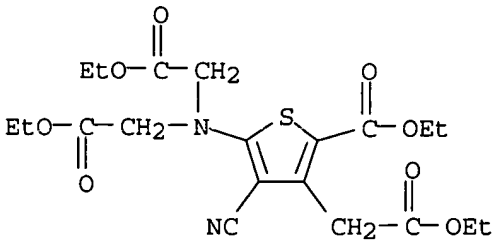
I II

AB The title compds. I (M = Sr, Ca, Mg) were prepared Treatment of carboxylic acid II with aqueous Sr(OH)2 solution gave I.4H2O (M = Sr) (III). In an in vitro test, III at 10-4 M decreased bone resorption by about 5%.

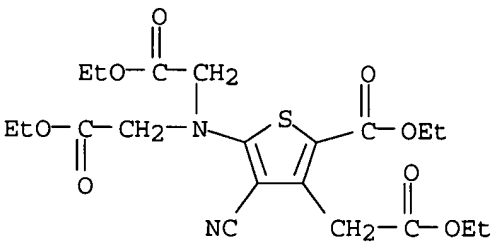
IT **58194-26-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(saponification of)

RN 58194-26-6 HCAPLUS

CN 3-Thiopheneacetic acid, 5-[bis(2-ethoxy-2-oxoethyl)amino]-4-cyano-2-(ethoxycarbonyl)-, ethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1976:59258 HCAPLUS
DOCUMENT NUMBER: 84:59258
TITLE: Reactivity of 2-aminothiophenes. Application to synthesis of thieno[2,3-b]pyrroles
AUTHOR(S): Wierzbicki, Michel; Cagniant, Denise; Cagniant, Paul
CORPORATE SOURCE: Fac. Sci., Univ. Metz, Metz, Fr.
SOURCE: Bulletin de la Societe Chimique de France (1975), (7-8, Pt. 2), 1786-92
CODEN: BSCFAS; ISSN: 0037-8968
DOCUMENT TYPE: Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 84:59258
GI For diagram(s), see printed CA Issue.
AB Thienopyrroles I (R = H, Ac; R1 = OH, NH2; R2 = CH2CO2Et, Me; R3 = CO2Et, Ac) were prepared by treating the thiophenes II (R4 = H; R5 = CO2Et, CN) with BrCH2CO2Et and Dieckmann reaction of II (R4 = CH2CO2Et). I (R1 = OH) were alkylated with BrCH2CO2Et or acetylated. I (R2 = NH2) were acetylated and diazotized.
IT **58194-26-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 58194-26-6 HCAPLUS
CN 3-Thiopheneacetic acid, 5-[bis(2-ethoxy-2-oxoethyl)amino]-4-cyano-2-(ethoxycarbonyl)-, ethyl ester (9CI) (CA INDEX NAME)



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NEWS	9	MAR 08	X.25 communication option no longer available after June 2006
NEWS	10	MAR 22	EMBASE is now updated on a daily basis
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NEWS	12	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
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NEWS	16	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	17	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	18	MAY 11	KOREAPAT updates resume

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